Release notes for ENDF/B Development n-016_S_036 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section MAT=1637, MF=1, MT=451 (1): Parsing stopped

ERROR(S) FOUND IN MAT=1637, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 143 TO 205

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=1637, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=1637, MF= 1, MT=451
MOD = 3 OUT OF RANGE 0 - 0 RECORD NUMBER 143

2. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=2, MT=151 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 207

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 213

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 269

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 292

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 304

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=3, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 311

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 318

9. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=3, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 51

SECTION 3/51 NOT IN DIRECTORY

RECORD NUMBER 324

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 3, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 336

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 3, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 348

12. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 3, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 359

13. Missing a section in directory so your directory is messed up. This error will break ev-

erything else MAT=1637, MF=3, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 55 SECTION 3/ 55 NOT IN DIRECTORY

RECORD NUMBER 370

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=3, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 381

15. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 391

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 3, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 406

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 3, MT = 107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 413

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1637, MF=4, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 422

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 4, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 570

20. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 4, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 573

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 576

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=4, MT=51 (0): Directory (b)

MAI = 105I, MI = 4, MI = 5I (0). Directory (

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 579

23. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 4, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 4, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 53 SECTION 4/53 NOT IN DIRECTORY

RECORD NUMBER 658

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 54 SECTION 4/54 NOT IN DIRECTORY

RECORD NUMBER 696

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 4, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 55 SECTION 4/55 NOT IN DIRECTORY

RECORD NUMBER 734

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 4, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER

28. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1637, MF = 5, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER

802

29. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1637, MF = 5, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 908

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1637, MF = 5, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 1013

31. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1637, MF = 5, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 1096

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 12, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 16 SECTION 12/ 16 NOT IN DIRECTORY

RECORD NUMBER 1285

33. Missing a gamma spectrum for continuum of gammas MAT=1637, MF=12, MT=16 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 16 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

34. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 12, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 22 SECTION 12/ 22 NOT IN DIRECTORY

RECORD NUMBER 1293

35. Missing a gamma spectrum for continuum of gammas $MAT=1637,\ MF=12,\ MT=$ 22 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 22
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 28 SECTION 12/ 28 NOT IN DIRECTORY

RECORD NUMBER 1301

37. Missing a gamma spectrum for continuum of gammas MAT=1637, MF=12, MT=28 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 28
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 51 SECTION 12/ 51 NOT IN DIRECTORY

RECORD NUMBER 1308

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 52 SECTION 12/ 52 NOT IN DIRECTORY

RECORD NUMBER 1312

40. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 53 SECTION 12/ 53 NOT IN DIRECTORY

RECORD NUMBER 1316

41. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 54 SECTION 12/ 54 NOT IN DIRECTORY

RECORD NUMBER 1320

42. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 55 SECTION 12/ 55 NOT IN DIRECTORY

RECORD NUMBER 1324

43. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 91 SECTION 12/ 91 NOT IN DIRECTORY

RECORD NUMBER 1328

44. Missing a gamma spectrum for continuum of gammas MAT=1637, MF=12, MT=91 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1637, MF=12, MT= 91 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

45. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT=102 SECTION 12/102 NOT IN DIRECTORY

RECORD NUMBER 1338

46. Missing a gamma spectrum for continuum of gammas MAT=1637, MF=12, MT=102 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1637, MF=12, MT=102 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

47. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=12, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT=103 SECTION 12/103 NOT IN DIRECTORY

RECORD NUMBER 1352

48. Missing a gamma spectrum for continuum of gammas MAT=1637, MF=12, MT=103 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1637, MF=12, MT=103 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

49. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 12, MT = 107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=12, MT=107 SECTION 12/107 NOT IN DIRECTORY

RECORD NUMBER 1361

50. Missing a gamma spectrum for continuum of gammas MAT=1637, MF=12, MT=107 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1637, MF=12, MT=107 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

51. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 14, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 16 SECTION 14/ 16 NOT IN DIRECTORY

RECORD NUMBER 1372

52. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=14, MT=22 (0): Directory (b)

MAI = 1037, MF = 14, MI = 22 (0). Directory

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 22 SECTION 14/ 22 NOT IN DIRECTORY

RECORD NUMBER 1374

53. Missing a section in directory so your directory is messed up. This error will break ev-

erything else MAT=1637, MF=14, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 28 SECTION 14/ 28 NOT IN DIRECTORY

RECORD NUMBER 1376

54. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 14, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 51 SECTION 14/ 51 NOT IN DIRECTORY

RECORD NUMBER 1378

55. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 14, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 52 SECTION 14/ 52 NOT IN DIRECTORY

RECORD NUMBER 1380

56. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 14, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 53 SECTION 14/ 53 NOT IN DIRECTORY

RECORD NUMBER 1382

57. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1637, MF=14, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 54 SECTION 14/ 54 NOT IN DIRECTORY

RECORD NUMBER 1384

58. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=14, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 55 SECTION 14/ 55 NOT IN DIRECTORY

RECORD NUMBER 1386

59. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1637, MF = 14, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT= 91 SECTION 14/ 91 NOT IN DIRECTORY

RECORD NUMBER 1388

60. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=14, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT=102 SECTION 14/102 NOT IN DIRECTORY

RECORD NUMBER 1390

61. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=14, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT=103 SECTION 14/103 NOT IN DIRECTORY

RECORD NUMBER 139

62. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1637, MF=14, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=14, MT=107 SECTION 14/107 NOT IN DIRECTORY

RECORD NUMBER 1394

63. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=15, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=15, MT= 16 SECTION 15/ 16 NOT IN DIRECTORY

RECORD NUMBER 1397

64. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1637, MF=15, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=15, MT= 22 SECTION 15/ 22 NOT IN DIRECTORY

RECORD NUMBER 1501

65. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=15, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=15, MT= 28 SECTION 15/ 28 NOT IN DIRECTORY

RECORD NUMBER 1588

66. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=15, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=15, MT= 91 SECTION 15/ 91 NOT IN DIRECTORY

RECORD NUMBER 1642

67. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=15, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=15, MT=102 SECTION 15/102 NOT IN DIRECTORY

RECORD NUMBER 1950

68. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=15, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=15, MT=103 SECTION 15/103 NOT IN DIRECTORY

RECORD NUMBER 2472

69. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1637, MF=15, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1637, MF=15, MT=107 SECTION 15/107 NOT IN DIRECTORY

RECORD NUMBER 2590

- fudge-4.0 Warnings:
 - 1. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 0:\ total\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.40%

2. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 1:\ (z,n)\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.11%

- fudge-4.0 Errors:
 - 1. Energy range of data set does not match cross section range reaction label 6: $n + (S36_c -> S36 + gamma) / Product: S36_c / Decay product: gamma / Multiplicity: (Error # 0): Domain mismatch (a)$

WARNING: Domain doesn't match the cross section domain: (5140210.0 -> 20000000.0) vs (5140220.0 -> 20000000.0)

2. Energy range of data set does not match cross section range reaction label 6: $n + (S36_c -> S36 + gamma) / Product: S36_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)$

WARNING: Domain doesn't match the cross section domain: (5140210.0 -> 20000000.0) vs (5140220.0 -> 20000000.0)

3. Energy range of data set does not match cross section range reaction label 6: n + (S36_c -> S36 + gamma) / Product: S36_c / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (5140210.0 -> 20000000.0) vs (5140220.0 -> 20000000.0)

4. Calculated and tabulated Q values disagree.

reaction label 7: n[multiplicity:'2'] + S35 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9988886.922996521 eV vs -9891980. eV!

5. Calculated and tabulated Q values disagree. reaction label 8: n + H1 + P35 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13195156.80769348 eV vs -1.30419e7 eV!

6. Energy range of data set does not match cross section range reaction label 8: n + H1 + P35 + gamma / Product: gamma / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13407700.0 -> 20000000.0) vs (13407600.0 -> 20000000.0)

7. Energy range of data set does not match cross section range reaction label 8: n + H1 + P35 + gamma / Product: gamma / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13407700.0 -> 20000000.0) vs (13407600.0 -> 20000000.0)

8. Calculated and tabulated Q values disagree. reaction label 9: S37 + gamma~(Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4203752.708999634 eV vs 4313990. eV!

9. Calculated and tabulated Q values disagree.
reaction label 10: n + He4 + Si32 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9107935.193416595 eV vs -8999830. eV!

10. Calculated and tabulated Q values disagree. reaction label 11: $H1+(P36_s-P36+gamma)$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9730601.871734619 eV vs -8990920. eV!

11. Calculated and tabulated Q values disagree. reaction label 12: $He4 + (Si33_s -> Si33 + gamma)$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4624861.379127502 eV vs -3954040. eV!

• njoy2012 Warnings:

- 1. Evaluation has no resonance parameters given unresr...calculation of unresolved resonance cross sections (0): No RR
 - ---message from unresr---mat 1637 has no resonance parameters copy as is to nout
- 2. Evaluation has no resonance parameters given purr...probabalistic unresolved calculation (0): No RR
 - ---message from purr---mat 1637 has no resonance parameters copy as is to nout
- 3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided
- 4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided
- 5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided
- 6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided